

PTO/SB/08A (08-03)

Supplement to form 1448A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/700,297
Filing Date	October 31, 2003
First Named Inventor	Hutchens, T. William
Art Unit	1743
Examiner Name	To Be Assigned
Attorney Docket Number	016866-001514US

U.S. PATENT DOCUMENTS⁺

Examiner Initials [*]	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1.	3,896,661		07-29-1975	Parkhurst et al.	
	2.	4,022,876		05-10-1977	Anbar	
	3.	4,295,046		10-13-1981	Gruter et al.	
	4.	4,296,332		10-20-1981	Hill	
	5.	4,454,233		06-12-1984	Wang	
	6.	4,468,468		08-28-1984	Benninghoven et al.	
	7.	4,686,366		08-11-1987	Stuke	
	8.	4,694,167		09-15-1987	Payne et al.	
	9.	4,705,616		11-10-1987	Andresen et al.	
	10.	4,902,627		02-20-1990	Kidwell	
	11.	4,988,879		01-29-1991	Zare et al.	
	12.	5,003,059		03-26-1991	Brennan	
	13.	5,209,919		05-11-1993	Turteltaub et al.	
	14.	5,045,694		09-03-1991	Beavis et al.	
	15.	5,073,713		12-17-1991	Smith et al.	
	16.	5,078,135		01-07-1992	Caprioli et al.	
	17.	5,118,937		06-02-1992	Hillenkamp et al.	
	18.	5,124,267		06-23-1992	Humpel et al.	
	19.	5,171,989		12-15-1992	Williams et al.	
	20.	5,547,835		08-20-1996	Koster	
	21.	5,622,824 A		04-22-1997	Koster	

FOREIGN PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	22.	GB	2,235,528		03-06-1991	Finnigan Mat GmbH		<input type="checkbox"/>
	23.	GB	2,235,529		03-06-1991	Finnigan Mat GmbH		<input type="checkbox"/>
	24.	GB	2,236,184		03-27-1991	Finnigan Mat GmbH		<input type="checkbox"/>
	25.	GB	2,236,185	B	03-23-1994	Finnigan Mat GmbH		<input type="checkbox"/>
	26.	EP	0 084 086		07-27-1983	Leybold Heraeus GmbH		<input type="checkbox"/>
	27.	EP	0 333 912		09-27-1989	Bruker-Franzen Analyt.		<input type="checkbox"/>
	28.	WO	91/02951		03-07-1991	Finnigin Mat Ltd.		<input type="checkbox"/>
	29.	WO	92/13629		08-20-1992	Wayne State University		<input type="checkbox"/>
	30.	WO	96/37777		11-28-1996	Nelson et al.		<input type="checkbox"/>
	31.	WO	96/40888		12-19-1996	Arizona Board Regents		<input type="checkbox"/>
								<input type="checkbox"/>

Examiner
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Considered

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete If Known		
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			Art Unit	1743	
			Examiner Name	To Be Assigned	
Sheet	2	of	3	Attorney Docket Number	016866-001514US

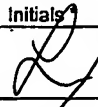

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
J	32.	AMERICAN BIOTECHNOLOGY LABORATORY, February 1994 cover, cover-page 2 (1994)	
	33.	BEAVIS, R. et al., "Epitaxial protein inclusion in sinapic acid crystals" J. Phys. D: Appl. Phys. 26:442-447 (1993)	
	34.	DWYER, J. et al., "A novel sample preparation device for MALDI-MS" Int'l Lab. 13A-13F (1997)	
	35.	HILLENKAMP, F., "Laser desorption mass spectrometry: Mechanisms techniques and applications" Bordeaux Mass Spect. Conference Report 11A:354-362 (1988)	
	36.	HUTCHENS, T. et al., "Differences in the conformational state of a zinc-finger DNA-binding protein domain occupied by zinc and copper revealed by electrospray ionization mass spectrometry" Rapid Comm. in Mass Spect. 6:469-473 (1992)	
	37.	HUTCHENS, T. et al., "New desorption strategies for the mass spectrometric analysis of macromolecules" Rapid Comm. in Mass Spect. 7:576-580 (1993)	
	38.	KARAS, M. et al., "Laser desorption ionization of proteins with molecular masses exceeding 10,000 daltons" Anal. Chem. 60:2299-2301 (1988)	
	39.	KARAS, M. et al., "Ultraviolet laser desorption of proteins up to 120,000 daltons" Bordeaux Mass Spect. Conference Report 11A:416-417 (1988)	
	40.	KARAS, M. et al., "UV laser desorption/ionization mass spectrometry of femtomol amounts of large proteins" Biomed. Environ. Mass Spectr. 18:841-843 (1989)	
	41.	MOCK, K. et al., "Sample immobilization protocols for matrix-assisted laser desorption mass spectrometry" Rapid Comm. in Mass Spec. 6:233-238 (1994)	
	42.	NELSON et al., "Mass spec. analysis of a trans-metal-binding peptide using MALDToFMS: A demonstration of probe tip chemistry" Rapid Comm. Mass Spec. 6:4-8 (1992)	
	43.	NELSON et al., "Mass spectrometric immunoassay" Anal. Chem. 67:1153-58 (1995)	
	44.	RIVERA, A., "A summary statement: Probes for affinity mass spectrometry of phosphoproteins" April 16, 1994	
	45.	SPEIR, J. et al., "Substrate-assisted laser desorption of neutral peptide molecules" Anal. Chem. 64:1041-1045 (1992)	
	46.	STRUPAT, K. et al., "2,5-Dihydroxybenzoic acid: A new matrix for laser desorption-ionization mass spectrometry" Int'l J. Mass Spectr. and Ion Proc. 111:89-102 (1991)	
V	47.	XIANG, F. et al., "A method to increase contaminant tolerance in protein matrix-assisted laser desorption/ionization by the fabrication of thin protein-doped polycrystalline films" Rapid Comm. in Mass Spec. 8:199-204 (1994)	

Examiner Signature	<i>Alexander</i>	Date Considered	2/15/05
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	48.	YIP, T. et al., Protein Expression and Purification 2:355-362 (1991)	
			

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